



Gas Mixtures – Multipurpose

Two Component

Ethanol

| Equipment Recommendations | Model No. |
|---|------------------|
| Single Stage Regulator | Series 3530-CGA* |
| Mini High Purity Regulator | Series 3550-180 |
| Low Dead Volume Regulator (for Concentrations < 50ppm) | Series 3590-CGA* |

| Balance Gas | Concentration Range | Matheson Mixtures Grades | | | | | | Cylinder Size | CGA* | Contents | | Pressure | | Approximate Ship Weight | |
|-------------|---------------------|--------------------------|---|----|---|---|---|---------------|------|----------------------|---------------------|----------|--------|-------------------------|----|
| | | MR | P | C+ | C | U | G | | | US | Metric | psig | kPa | lb | kg |
| Air | 1 ppm - 400 ppm | • | • | • | • | | • | 1R | 590 | 145 ft ³ | 4.11 m ³ | 2,000 | 13,790 | 70 | 32 |
| | | | | | | | | 2R | 590 | 78 ft ³ | 2.21 m ³ | 2,000 | 13,790 | 48 | 22 |
| | | | | | | | | 3R | 590 | 29 ft ³ | 0.82 m ³ | 2,000 | 13,790 | 24 | 11 |
| | | | | | | | | 6R | 180 | 3.73 ft ³ | 106 L | 1,800 | 12,411 | 2 | 1 |
| Helium | 5 ppm - 400 ppm | | | • | • | | • | 1R | 350 | 136 ft ³ | 3.85 m ³ | 2,000 | 13,790 | 70 | 32 |
| | | | | | | | | 2R | 350 | 73 ft ³ | 2.07 m ³ | 2,000 | 13,790 | 48 | 22 |
| | | | | | | | | 3R | 350 | 27 ft ³ | 0.77 m ³ | 2,000 | 13,790 | 24 | 11 |
| | | | | | | | | 6R | 180 | 3.89 ft ³ | 99 L | 1,800 | 12,411 | 2 | 1 |
| Nitrogen | 1 ppm - 400 ppm | • | • | • | • | | • | 1R | 350 | 143 ft ³ | 4.05 m ³ | 2,000 | 13,790 | 70 | 32 |
| | | | | | | | | 2R | 350 | 77 ft ³ | 2.18 m ³ | 2,000 | 13,790 | 48 | 22 |
| | | | | | | | | 3R | 350 | 29 ft ³ | 0.82 m ³ | 2,000 | 13,790 | 24 | 11 |
| | | | | | | | | 6R | 180 | 3.69 ft ³ | 104 L | 1,800 | 12,411 | 2 | 1 |

Contents and pressure may vary with concentration and ambient temperature.
 MTG's Ethanol standards have direct NIST/NMi traceability.

Key for Matheson Mixtures Grades:

MR = Matheson Reference Standard
P = Primary Standard

C+ = Certified Plus Standard
C = Certified Standard

U = Unanalyzed Standard
G = Gravimetric Standard